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CAN YOUR COMPUTER KEEP A SECRET ?

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Director, Continuing Professional Education
Drexel University
32nd and Chestnut Streets, Philadelphia, PA 19104

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October 28 and 29, 1976
Philadelphia, PA

A CONTINUING PROFESSIONAL EDUCATION PROGRAM

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theft, extortion, and espionage in the computer age . . .

Defensive strategies against one of today's most crucial and perplexing security problems will be outlined in this important two-day session, "Privacy and Security in Computer-Based Information Systems".

PROGRAM TOPICS

- Privacy and confidentiality
- Principles of security
- Physical security
- Disaster planning
- Risk determination
- Personnel motivation
- CODASYL recommendations
- Network problems
- Encrypting and erasing techniques
- Monitoring routines
- Dangers in operating systems

WHY THIS PROGRAM CONCERNS YOU

Society is becoming dependent on computer-based information processing systems in government, industry, and, increasingly, in our private lives. Central to these computer-based systems is some sort of program and data base. As these computer systems become a principal part of our existence, it is obvious that protection of the integrity of these systems is a necessary responsibility of the computer operators.

The subject of security, confidentiality, and integrity is of constant concern to those responsible for the electronic data processing installation in companies of all sizes. The need for improvement in security arises from such sources as these:

- increasing pressure from those worried about individual privacy, as well as personal incursions into large data banks
- an increasing amount of electronic embezzlement, fraud, and theft by persons who are expert in this new way to rip-off a firm.

PURPOSE

The seminar is designed to convince management that this is an area requiring immediate attention; to suggest broad methods of solution and principles of improving security; and to discuss specific techniques for specific situations.

Topics to be discussed cover:

- physical security
- software and data integrity
- detecting breaches of security
- disaster prevention and recovery.

Security enhancement is a case of virtuous behavior bringing unexpected rewards. Installations doing something positive about security and integrity problems will find that their operations become more cost effective. SECURITY IS NOT A COST: IT IS AN INVESTMENT.

PROGRAM LEADERS

Fred Birkby served for twenty-six years with the Federal Bureau of Investigation, and received commendations from the Director for his effective supervision of espionage and sabotage investigations. He received his law degree from Catholic University. Mr. Birkby is a member of the Bar of the District of Columbia. He has served as Secretary-Treasurer and as a member of the Board of Directors of the Northeast College and University Security Association and holds a membership in the Police Chiefs Association of Southeastern Pennsylvania. He directed Drexel University's Safety and Security Department from 1966 until his retirement several months ago.

James Leigh, a systems software programmer/analyst at Drexel University, has developed and implemented on Drexel's computer a well-rounded system access control and security system. He is responsible for all maintenance and development work of the Master Control Program and compilers on the University's Burroughs B-5500.

A member of CUBE, the Burroughs computer users group, he has participated in sessions dealing with disk and tape file security and total system security.

James Maginnis of Drexel University teaches information systems design, as well as programming, languages and the theoretical aspects of computer science. He has been a director of computer centers at American Viscose Corporation and at Drexel. Professor Maginnis has served as special advisor on data processing for the Commonwealth of Pennsylvania, and was host chairman for the first CODASYL technical conference on COBOL compilers.

Barry Mann, an electrical engineer, has served as a systems programmer for realtime control applications using mini and maxi computers. His professional experience includes the management of technical services for the Drexel University Computer Center and service as a private consultant in industry.

TIME

The program starts at 9 am. Check-in: 8:45. Coffee and tea will be available.

FEE

The fee of \$235.00 per person includes the seminar, all materials, coffee breaks and lunch.

NOTE: A 5% deduction may be taken on any registration accompanied by check and received prior to the program date.

REGISTRATION

To register, complete the form provided and return with your check. Substitutions will be permitted up to the date of the seminar if prior notice is given.

TEAM REGISTRATION

A 10% discount is automatically available for your organization if you send 3 or more persons. Higher discounts are available for larger groups.

IN COMPANY PRESENTATIONS

For information concerning in-plant presentations, please contact Mr. Ross at (215) 895-2986.

CERTIFICATE OF COMPLETION

A "Certificate of Completion" from Drexel University will be presented to all those who successfully complete the program.

CONFIRMATION

All registrations are promptly confirmed. Your confirmation package will include travel and housing information. Please notify the Continuing Professional Education office by phone (215-895-2154) if you do not receive registration confirmation at least 5 days prior to the start of the program.

TAX DEDUCTION

U.S. Treasury regulations permits an income tax deduction for educational expenses under certain circumstances.

CANCELLATIONS

If your plans change you may cancel your registration. Refunds will be made if notice of cancellation is received by Continuing Professional Education at least 5 working days prior to the program date, otherwise the registrant will be liable for the cancellation fee of \$50.00.

The University reserves the right to cancel any program. In such cases, a full refund will be granted.

FOR FURTHER INFORMATION

Please call: (215) 895-2154

ROUTE TO A FRIEND

This seminar may be of value to your colleagues as well. If so, please route this brochure to them.

Drexel University admits students of any race, color and national or ethnic origin.

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